

This index covers all items—papers, correspondence, reviews, etc.—that appeared in this periodical during 1989, and items from previous years that were commented upon or corrected in 1989.

The *Author Index* contains the primary entry for each item, listed under the first author's name, and cross-references from all coauthors. The *Subject Index* contains several entries for each item under appropriate subject headings, and subject cross-references.

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Doppler echocardiography using ultrasonic phased-array scanner with digital echo synthesis. *Lütolf, Remo M.*, +, T-UFFC Sep 89 494-506

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**rier transforms; cf.** Discrete Fourier transforms  
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**Nonhomogeneous media; cf.** Acoustic bulk-wave propagation, nonhomogeneous media; Acoustic propagation, nonhomogeneous media; Acoustic surface-wave propagation, nonhomogeneous media

**Nonstationary stochastic processes**

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**Numerical methods; cf.** Finite-element methods

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**Piezoelectric resonators**

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**Thermal factors; cf.** Dielectric materials/devices, thermal factors; Hyperthermia

**Thickness measurement**

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**Transforms; cf.** Discrete Fourier transforms

**Tumors; cf.** Biomedical acoustics; Hyperthermia

**U**

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**Ultrasonic...; cf.** Acoustic...

**V**

**Velocity measurement**

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**Velocity measurement; cf.** Acoustic velocimeters; Doppler measurements; Fluid flow measurement

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**W**

**Wood fiber**

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**X-ray measurements**

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**Zinc materials/devices; cf.** Acoustic plate waves; Acoustic surface waves

**Zirconium materials/devices; cf.** PZT materials/devices